



Atty. Dkt. No. 063391-0202

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Matthew Patricelli  
Title: ACTIVITY BASED PROBE  
ANALYSIS  
Appl. No.: 10/049,164  
Filing Date: 02/06/2002  
Examiner: Unassigned  
Art Unit: Unassigned

<b>CERTIFICATE OF MAILING</b> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.  <u>Line Gauthier</u> (Printed Name) <u><i>Line Gauthier</i></u> (Signature) <u>March 4, 2003</u> (Date of Deposit)
--

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**RECEIVED**  
**APR 21 2003**  
**GROUP 1700**

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



Atty. Dkt. No. 063391-0202

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date March 4, 2003

FOLEY & LARDNER  
Customer Number: 30542



30542

PATENT TRADEMARK OFFICE

Telephone: (858) 847-6721  
Facsimile: (858) 792-6773

By Michael A. Whittaker

Michael A. Whittaker  
Attorney for Applicant  
Registration No. 46,230

RECEIVED  
APR 21 2003  
GROUP 1700

MAR 07 2003

PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: 3/4/03

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/049,164
Filing Date	02/06/2002
First Named Inventor	Matthew P. Patricelli
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	063391-0202

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,127,134		Minden et al.		
	A2	6,064,754		Parekh et al.		
	A3	6,008,373		Waggoner et al.		
	A4	4,946,794		Berube		
	A5	4,865,707		Karger et al.		
	A6	4,481,094		Fernandez de Castro et al.		
	A7	4,433,051		Gilad et al.		
	A8	4,415,655		de Castro et al.		

RECEIVED  
APR 21 2003  
GROUP 1700

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1		WO 00/11208	✓				
	B2		WO 00/00823	✓				
	B3		WO 99/18921	✓				

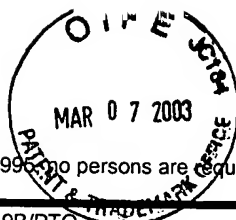
023.227472v1

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: 3/4/03 (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/049,164
Sheet	2	Filing Date	02/06/2002
	of	First Named Inventor	Matthew P. Patricelli
	2	Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	063391-0202

RECEIVED  
APR 21 2003  
GROUP 1700

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	C1	Cravatt and Sorensen, "Chemical strategies for the global analysis of protein function", <i>Curr. Opin. Chem. Biol.</i> 4(6):663-8 (2000 Dec)	
	C2	Deutscher (ed.), <i>Methods in Enzymology</i> 182:147-238 (1990)	
	C3	Gee et al., "Fluorescent Bocillins: Synthesis and application in the detection of penicillin-binding proteins, <i>Electrophoresis</i> 2001, 22:960-965	
	C4	"Handbook of Fluorescent Probes and Research Products," Molecular Probes, Inc., 2001	
	C5	Kidd et al., "Profiling Serine Hydrolase Activities in Complex Proteomes," <i>Biochemistry</i> 40:4005-15 (2001)	
	C6	Laemmli, UK, <i>Nature</i> 227:680-685 (1970)	
	C7	Liu et al., "Activity-based protein profiling: The serine hydrolases <i>Proc. Natl. Acad. Sci.</i> 96(26):14694 (1999)	
	C8	Patricelli et al., "Direct Visualization of serine hydrolase activities in complex proteomes using fluorescent active site-directed probes," <i>Proteomics</i> 1:1067-71 (2001)	
	C9	Scholze et al., "Fluorescent Inhibitors for the Qualitative and Quantitative Analysis of Lipolytic Enzymes," <i>Anal. Biochem.</i> 276:72-80	
	C10	Wang, G. and Geng, L., <i>Anal. Chem.</i> 72:4531-4542 (2000)	
	C11	Zhao et al., "Bocillin FL, a Sensitive and Commercially Available Reagent for Detection of Penicillin-Binding Proteins," <i>Antim. Agents and Chem.</i> May1999, 1124-1128	

023.227472v1

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.